



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|------------------------------|---|--|
| Application of: |) | <u>CERTIFICATE OF EXPRESS MAIL</u> |
| |) | I hereby certify that this correspondence is |
| DAVID J. BEEBE ET AL. |) | being deposited with the United States |
| |) | Postal Service in "Express Mail Post Office |
| Serial No.: 10/045,937 |) | to Addressee" on the date indicated below |
| |) | and is addressed to Mail Stop – Box |
| Filed: October 19, 2001 |) | RCE, Commissioner for Patents, P.O. Box |
| |) | 1450, Alexandria, VA 22313-1450 on |
| Examiner: Lyle Alexander |) | the 27 th day of April, 2005. |
| |) | Express Mail Label is EV506062903US. |
| Art Unit: 1743 |) | <u>Christine Kierzek</u> |
| |) | |
| METHOD AND APPARATUS FOR |) | <u>Christine Kierzek</u> 4/27/05 |
| MONITORING THE ENVIRONMENT |) | Signature Date |
| WITHIN A MICROFLUIDIC DEVICE |) | |

RESPONSE TO OFFICE ACTION

Sir:

In response to the Office Action dated January 27, 2005 and the Advisory Action dated April 12, 2005, please amend the above-identified application as follows:

- **Amendments to the Claims** is reflected on page 2 of this paper.
- **Remarks** begin on page 8 of this paper.